Z-URC™ 550EU
(Z-Wave Enabled Universal Remote Control)

ZXT-300EU
(Z-Wave-to-AV IR Extender)

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Z-URC™ 550EU
(Z-Wave Enabled Universal Remote Control)
ZXT-300EU
(Z-Wave-to-AV IR Extender)
Operating Instructions

Introduction

The *Z-URC™ 550EU Z-Wave AV Controller* is a universal AV remote and also a Z-Wave controller (Figure 1). As a universal remote, the Z-URC™ 550EU replaces all your AV remotes through its built-in IR code database or IR code learning. As a Z-Wave controller, the Z-URC™ 550EU works with Z-Wave enabled devices, support multi-channel command class devices and controls their on/off or up/down individually, as a Group, or via a pre-configured Scene.

A perfect kit of Z-URC™ 550EU and ZXT-300EU (Z-Wave-to-AV IR Extender). It works with any Z-Wave compliant controller or gateway by translating Z-Wave Simple AV command to IR control code.
User can set the IR code from the built-in code library of ZXT-300EU, or use the learning function of ZXT-300EU through the simple UI of Z-URC™ 550EU. User can also download the preset code or learnt command from Z-URC™ 550EU to ZXT-300EU. User can enjoy the fully wireless control in anywhere at home.

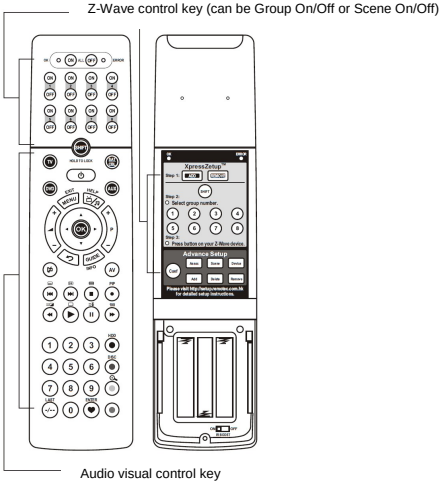


Figure 1 Z-URC™ 550EU

Glossary

Device or Node	Z-Wave enabled device that can be controlled by the Z-URC™.
Inclusion	Add a Z-Wave device to the network.
Exclusion	Delete a Z-Wave device from the network.
Remove	To take a device out of a group, scene or association group while that device still exists in the same Z-Wave network.
Z-Wave Network	A collection of Z-Wave devices controlled by primary and secondary controllers operating on the same system. A Z-Wave network has its own unique ID code so that controllers not in the network cannot control the system.
Primary Controller	The first controller used to set up your devices and network. Only the Primary Controller can be used to include or delete modules from a network. It is recommended that you mark the primary controller for each network for ease in modifying your network.
Secondary Controller	A controller containing network information about other modules within the network and is used for controlling devices. Secondary controllers are created from the Primary Controller and cannot include or delete modules to the network.
Inclusion Controller	A controller containing network information about other modules within the network and is used for controlling devices. Inclusion controllers are created from the Primary Controller in a SIS enabled Z-Wave network. Inclusion Controller has the ability to add and remove devices from the network.
Scene	A collection of Z-Wave devices configured to turn to a specific level, setting, mode, or perform an operation. Scenes are usually activated by a controller, timed event, or specific conditions.

Z-URC™ 550EU Operations

Welcome to the world of home automation, your Z-URC™ 550EU will be able to control all the Z-Wave products around your house. The following section will guide you through the set up processes for your Z-URC™ 550EU. Firstly there is the XpressZetup™ for beginner users that do not have a large amount of Z-Wave products. Following is the advanced set up that you will need to become familiar with as your Z-Wave network of products continues to expand.

Please note that all Z-Wave devices, light switches, dimmers, and shutter switches made from various vendors are compatible with your Z-URC™ 550EU as long as they carry the Z-Wave logo:

(Please carefully read through the following then store the manual for future reference.)

Before using the Z-URC™ 550EU, please install the batteries:

- 3xAAA batteries are required for operation.
- Remove the battery cover on the back of your Z-URC™ 550EU.
- Check the polarity of the batteries and the "+/-" marks inside the battery compartment.
- Insert the batteries.
- Push the battery cover back in place.

⚠ CAUTION (battery safety)

– Use new batteries of the recommended type and size only.
– Never mix used and new batteries together.
– To avoid chemical leaks, remove batteries from the Z-URC™ 550EU if you do not intend to use the remote for an extended period of time.
– Dispose of used batteries properly; do not burn or bury them.

Configurations

Please open the configuration compartment then you can see the Z-URC™ 550EU setup keys (Figure 2).

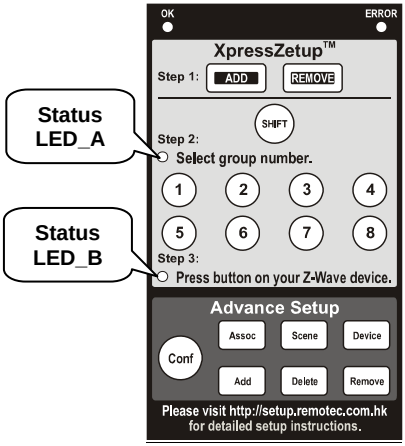


Figure 2 Setup Keys of the Z-URC™ 550EU

Description of Function Keys

Keys	Functions
	The All-On and All-Off keys are used for turns on or off all Z-Wave devices in the device database.
	The On and Off keys are used for the different Z-Wave groups and scenes control.
	Press once to access secondary functions for the next button. Press and hold to activate shift lock for permanent use of shift functions. Press shift again to release shift lock. Note: The shift key allows you access group's shift 1 through shift 8 giving you a total of 16 groups.
	The ADD and REMOVE keys are used during XpressZetup™ process. ADD key will perform two functions: • Add a target device to Z-Wave network, also known as INCLUSION; • Add the device to the assigned GROUP. REMOVE key will only remove the target device from its assigned group but will not exclude it from the network.
	This SHIFT key is used for accessing group numbers 9 to 16 while programming your devices.
	These are your group numbers 1 through 8 and also become group numbers 9 through 16 when combined with the SHIFT key.
	This Configuration key is used during the ADVANCED SETUP process.
	This Association key is used in conjunction with Add, Delete or Remove keys in order to assign association groups.
	This Scene key is used in conjunction with Add, Delete or Remove keys in order to program scenes.
	This Device key is used in conjunction with Add, Delete keys in order to include or exclude devices to the network.
	This Add key is used in the Advance Setup to: • Add a device to the network (inclusion); • Add a device to a group; • Add a device to an association group; • Add a device to a scene.
	This Delete key is used in the Advance Setup to: • Delete a device from the network (exclusion); • Delete a group; • Delete an association group; • Delete a scene.

Remove	This Remove key is used in the Advance Setup to: • Remove a device from a group; • Remove a device from an association group; • Remove a device from a scene.

Group Control

The Z-URC™ 550EU enables you to control single or multiple Z-Wave devices with the press of a button. For example, you can group all your bedroom lights together so that all of them will turn on with the press of a button.

You can control up to 16 groups (Group On/Off) with your Z-URC™ 550EU. Each Group supports up to 32 Z-Wave devices or End-point (EP) and supports up to 232 Z-Wave devices in a network.

Remark: There are total 16 groups of on/off keys which are shared by Scene and Group, for example, if you used 6 groups as Group, there are 10 groups on/off keys left for Scene, and vise versa.

XpressZetup™ *(Group Setup)*

Including Device to a Group

Step	Setup Key	LED Indication Status
1	Press ADD in XpressZetup™ area	• "OK" LED on • "LED_A" flashes rapidly
2	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ① ② ③ ④ ⑤ ⑥ ⑦ ⑧	• "LED_A" off • "LED_B" flashes rapidly
3	Press the program button on the target device	• "OK" LED flashes once then turns off • "LED_B" off • Group setup completed

Note 1: If you cannot add your Z-Wave device, this device might have been included in another Z-Wave network. In this case, please delete this device following the steps in the [Deleting Device from the Network] section then add this device again.

Note 2: XpressZetup™ cannot support "Multi-Channel Device", please refer to [Adding Device to the Network] and [Adding Device/End-point to a group] for normal setup procedure.

Removing Device from a Group

Step	Setup Key	LED Indication Status
1	Press REMOVE in XpressZetup™ area	• "OK" LED on • "LED_A" flashes rapidly
2	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ① ② ③ ④ ⑤ ⑥ ⑦ ⑧	• "LED_A" off • "LED_B" flashes rapidly
3	Press the program button on the target device	• "OK" LED flashes once then turns off • Device been removed from the Group successfully

Note 1: If the ERROR LED turns on or flashes, meaning the setup process is failed. Please redo the process.

Note 2: XpressZetup™ cannot support "Multi-Channel Device", please refer to [Removing Device/End-point from a group] for normal setup procedure.

Note 3: This process will only remove the target device from its assigned group but will not exclude it from the network.

Removing all Devices from a Group

Step	Setup Key	LED Indication Status
1	Press and hold REMOVE in XpressZetup™ area	• "OK" LED on • "LED_A" flashes rapidly
2	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ① ② ③ ④ ⑤ ⑥ ⑦ ⑧	• "LED_A" off • "LED_B" flashes rapidly • "OK" LED flashes once then turns off • Device been deleted from the Group successfully

Note 1: If the ERROR LED turns on or flashes, meaning the setup process is failed. Please redo the process.

Note 2: This process will only remove the group devices from its assigned group but will not exclude it from the network.

Group Operation

After adding devices to your Z-URC™ 550EU using XpressZetup™, you can turn the device on/off or up/down via the corresponding group control keys in front (Figure 3).

- For on/off switches, press ON key to turn on the devices and OFF key to turn them off. (use SHIFT to extend 16 groups On/Off)
- To operate dimmer switches and curtain motors, hold the ON key to open the curtain or dim up the light. By holding the OFF key you can retract the curtain or dim down the light.
- You can turn on all the devices in the network by pressing All-On key and turn them off via All-Off key.
- The green "OK" LED flashes when the operation is successful, and the red ERROR LED flashes when it's failed.

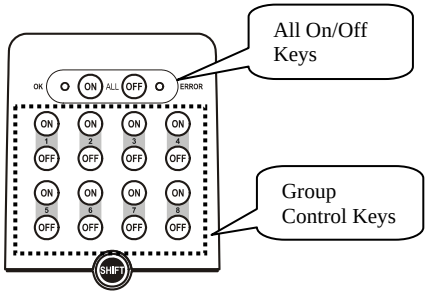


Figure 3 Group Control Keys of the Z-URC™ 550EU

By Advance Setup Process

(For advanced users to get the full flexibility offered by the Z-URC™ 550EU)

The Z-URC™ 550EU remote is able to be set up with different concepts such as Group, Scene, Association Group and Network. These concepts are all setup on the underside of your Z-URC™ 550EU and operated with the corresponding number on the topside of the remote.

Scene Control

Z-Wave Scenes are used for setting up multiple devices in the same way as a group but in addition to groups, scenes also control dimmer lights that you can set to different levels depending on the situation. For example you can have the scene set to low brightness for watching a movie or going to bed or alternatively set the lights brighter when reading or working. After the scene has been programmed it will work with the corresponding ON OFF key on the top side of the remote.

You can control up to 16 scenes (Scene On/Off) with your Z-URC™ 550EU. Each Scene supports up to 32 Z-Wave devices or End-point (EP) and supports up to 232 Z-Wave devices in a network.

Remark: There are total 16 groups of on/off keys which are shared by Scene and Group, for example, if you used 6 groups as Group, there are 10 groups on/off keys left for Scene, and vise versa.

Scene Setup

Adding Device/End-point to a Scene

Step	Setup Key	LED Indication Status
1	Press Add in Advance Setup	• The "OK" light turns on
2	Press Scene	• "OK" LED flashes once and stays on • "LED_A" flashes slowly
3	Select a scene number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once and stays on • "LED_A" off • "LED_B" flashes slowly
4	Press the program/EP button on the target device	• "OK" LED flashes once and stays on • "LED_B" keep blinking slowly
5	Adjust the target device on/off or dim level with its program button, to the desired status	-

6	Press Scene	• “OK” LED flashes once then turns off • “LED_B” off • The current status of the device will be learned and saved to a scene successfully

Note 1: Your target device must be included in the network before this setup procedure, please refer to [Adding Device to the Network] section.

Removing Device/End-point from a Scene

Step	Setup Key	LED Indication Status
1	Press Remove in Advance Setup	• The “OK” light turns on
2	Press Scene	• “OK” LED flashes once and stays on • “LED_A” flashes slowly
3	Select a scene number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• “OK” LED flashes once and stays on • “LED_A” off • “LED_B” flashes slowly
4	Press the program/EP button on the target device	• the “OK” light stays on then flashes once and turns off • “LED_B” off • Device removed from the scene successfully

Note 1: This process will only remove the target device/EP from its assigned scene but will not exclude it from the network.

Deleting a Scene

Step	Setup Key	LED Indication Status
1	Press Delete in Advance Setup	• The “OK” light turns on
2	Press Scene	• “OK” LED flashes once and stays on

		• “LED_A” flashes slowly
3	Select a scene number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• “OK” LED flashes once then turns off • “LED_A” off • Scene deleted from the scene successfully

Note 1: This process will only remove the scene devices/EPs from its assigned scene but will not exclude it from the network.

Scene Operation

After the scene setup is done, you can trigger the desired scene via scene control keys in front panel of the Z-URC™ 550EU. (Figure 4) The green “OK” LED flashes when the operation is successful, and the red ERROR LED flashes when it’s failed.

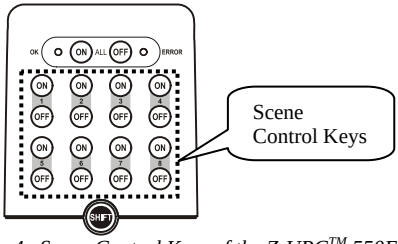


Figure 4 Scene Control Keys of the Z-URC™ 550EU

Additional Device Setups

Add/Delete Devices

Adding Device to the Network

Step	Setup Key	LED Indication Status
1	Press Add in Advance Setup	• The “OK” light turns on
2	Press Device	• “OK” LED flashes once and stays on • “LED_B” flashes slowly

3	Press the program button on the target device	• “OK” LED flashes once then turns off • “LED_B” off • Device inclusion completed

Note 1: This step can be skipped if the device is already included in the network.

Deleting Device from the Network

Step	Setup Key	LED Indication Status
1	Press [Delete] in Advance Setup	• The “OK” light turns on
2	Press [Device]	• “OK” LED flashes once and stays on • “LED_B” flashes slowly
3	Press the program button on the target device	• “OK” LED flashes once then turns off • “LED_B” off • Device exclusion completed

Add/Remove/Delete Device/End-point to/from a group

Adding Device/End-point to a group

Step	Setup Key	LED Indication Status
1	Press [Add] in Advance Setup	• The “OK” light turns on
2	Select a group number from 1 to 16 (1-8 or [SHIFT] 1-8) ①②③④ ⑤⑥⑦⑧	• “OK” LED flashes once and stays on • “LED_A” off • “LED_B” flashes slowly
3	Press the program/EP button on the target device	• “OK” LED flashes once then turns off • “LED_B” off • Add Device/End-point to a group completed

Note 1: Your target device must be included in the network before this setup procedure, please refer to [Adding Device to the Network] section.

Removing Device/End-point from a group

Step	Setup Key	LED Indication Status
1	Press Remove in Advance Setup	• The "OK" light turns on
2	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once and stays on • "LED_A" off • "LED_B" flashes slowly
3	Press the program/EP button on the target device	• "OK" LED flashes once then turns off • "LED_B" off • Remove Device/End-point from a group completed

Note 1: This process will only remove the target device/EP from its assigned group but will not exclude it from the network.

Deleting a group

Step	Setup Key	LED Indication Status
1	Press Delete in Advance Setup	• The "OK" light turns on
2	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once and stays on • "LED_A" off • "LED_B" flashes slowly • Delete a group completed

Note 1: This process will only remove the group devices/EPs from its assigned group but will not exclude it from the network.

Assign Association for Two Devices

The Z-URC™ 550EU can be used to assign one device to automatically interact directly with another device.

For example you can assign a door sensor (primary node) to turn on the light switch (secondary node) when the door is opened.

Adding Device/End-point to an Association Group

Step	Setup Key	LED Indication Status
1	Press Add in Advance Setup	• The "OK" light turns on
2	Press Assoc	• "OK" LED flashes once and stays on • "LED_A" flashes slowly
3	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once and stays on • "LED_A" off • "LED_B" flashes slowly
4	Press the program/EP button on the secondary device (e.g. light switch)	• "OK" LED flashes once and stays on • "LED_B" flashes once and keep blinking slowly
5	Press the program/EP button on the primary device (e.g. door sensor)	• "LED_B" turns off • "OK" LED flashes once then turns off • Assigning association completed

Note 1: Your target device must be included in the network before this setup procedure, please refer to [Adding Device to the Network] section.

Removing Device/End-point from an Association Group

Step	Setup Key	LED Indication Status
1	Press Remove in Advance Setup	• The "OK" light turns on
2	Press Assoc	• "OK" LED flashes once and stays on • "LED_A" flashes slowly
3	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once and stays on • "LED_A" off • "LED_B" flashes slowly
4	Press the program/EP button on the secondary device (e.g. light switch)	• "OK" LED flashes once and stays on • "LED_B" flashes once and keep blinking slowly
5	Press the program/EP button on the primary device (e.g. door sensor)	• "LED_B" turns off • "OK" LED flashes once then turns off • Device removed from the association group successfully

Note 1: This process will only remove the target device/EP from its assigned association group but will not exclude it from the network.

Deleting an Association Group

Step	Setup Key	LED Indication Status
1	Press Delete in Advance Setup	• The "OK" light turns on
2	Press Assoc	• "OK" LED flashes once and stays on • "LED_A" flashes slowly
3	Select a group number from 1 to 16 (1-8 or SHIFT 1-8) ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once and stays on • "LED_A" off • "LED_B" flashes slowly
4	Press the program/EP button on the primary device (e.g. door sensor)	• "LED_B" turns off • "OK" LED flashes once then turns off • Deleting the association group successfully

Note 1: This process will only remove the group devices/EPs from its assigned association group but will not exclude it from the network.

Add/Delete All-On/All- Off functions

If desired, specific devices can be setup to ignore the All-On and All-Off commands.

The four possible responses are:

- It will respond to All-On and the All-Off commands (default).
- It will not respond to All-On and All-Off commands.
- It will respond to the All-Off command but will not respond to the All-On command.
- It will respond to the All-On command but will not respond to the All-Off command

Deleting Devices from All Control

Step	Setup Key	LED Indication Status
1	Press Delete in Advance Setup	• The "OK" light turns on
2	Press and hold the key for 2 seconds which you want to delete from the front top side ON ALL OFF Example: i) Press ON key to delete from all-on function, ii) Press OFF key to delete from all-off function, iii) Press and hold ON ALL OFF keys simultaneously for 2 seconds to delete from both all-on and all-off function.	• "LED_B" flashes slowly
3	Press the program button on the target device	• "LED_B" turns off • "OK" LED flashes once then turns off • Delete Device from All Control successfully

Adding Devices to All Control

Step	Setup Key	LED Indication Status
1	Press [Add] in Advance Setup	• The "OK" light turns on
2	Press and hold the key for 2 seconds which you want to add to the front top side (ON) ALL (OFF) Example: i) Press (ON) key to add to all-on function, ii) Press (OFF) key to add to all-off function, iii) Press and hold (ON) ALL (OFF) keys simultaneously for 2 seconds to add to both all-on and all-off function.	• "LED_B" flashes slowly
3	Press the program button on the target device	• "LED_B" turns off • "OK" LED flashes once then turns off • Adding Device from All Control successfully

Note 1: The factory default setting for Z-URC™ 550EU is to be included in All-On and All-Off control. The above section should only be needed if the device has been deleted from All Control.

Change Device Configuration

This function is used to modify the parameter of the Z-Wave device via the configuration command class.
Look up the Parameter No. and Parameter Value of the target device from the device user manual before you start the below process.

Step	Setup Key	LED Indication Status
1	Press Conf	• "OK" LED stays on
2	Enter the Parameter number from 0 to 127 in front ⓪-⑨	• "OK" LED flashes once and stays on for each key press
3	Press ENTER ♥ in front	• "OK" LED stays on then flashes once
4	Enter the Parameter value from -2147483648 to +2147483648 (32bits value) in front ⓪-⑨ (For negative value, press LAST -/--)	• "OK" LED flashes once and stays on for each key press
5	Press ENTER ♥ in front	• "OK" LED stays on then flashes once
6	Press the program button on the target device	• "OK" LED flashes and turns off • The configuration value is saved to the device

Advanced Z-Wave Network Setups

Copying All Network and Device Information to a Secondary Controller

You can add a secondary controller to your network and copy all of your Z-URC™ 550EU's network and device information to the secondary controller by following the steps below.

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Place the two controller close to each other	-
3	Type "8541" on the setup number keypad ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once for each number input • "OK" LED keeps blinking after entering the 4-digit
4	Please make sure the target controller is setup to receive information. (Refer to the target controller user manual for more information)	• "OK" LED flashes once then turns off • Replication completed

Note 1: If this replication is unsuccessful, the "OK" light turns off and the error light will flash 6 times then turn off.

Copying Network Information to a Secondary Controller

You can add a secondary controller to your network and copy all of your primary controller's network information to the secondary controller by following the steps below.

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Place the two controller close to each other	-
3	Type "8542" on the setup number keypad ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once for each number input • "OK" LED keeps blinking after entering the 4-digit
4	Please make sure the target controller is setup to receive information. (Refer to the target controller user manual for more information)	• "OK" LED flashes once then turns off • Replication completed

Note 1: If the replication is unsuccessful, the "OK" light turns off and the error light will flash 6 times then turn off.

Transferring All Network and Device Information to a New Primary Controller (Primary Shift)

You can transfer all of your controller information to another remote so that it will become the new primary remote. This is done by following the steps below.

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Place the two controller close to each other	
3	Type "8361" on the setup number keypad ① ② ③ ④ ⑤ ⑥ ⑦ ⑧	• "OK" LED flashes once for each number input • "OK" LED keeps blinking after entering the 4-digit
4	Please make sure the target controller is setup to receive information. (Refer to the target controller user manual for more information)	• "OK" LED flashes once then turns off • Replication completed

Note 1: If this replication is unsuccessful, the "OK" light turns off and the error light will flash 6 times then turn off.

Transferring Only Network Information to a New Primary Controller (Primary Shift)

You can just transfer network information to another remote so that it will become the new primary remote. This is done by following the steps below.

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Place the two controller close to each other	
3	Type "8362" on the setup number keypad ① ② ③ ④ ⑤ ⑥ ⑦ ⑧	• "OK" LED flashes once for each number input • "OK" LED keeps blinking after entering the 4-digit
4	Please make sure the target controller is setup to receive information. (Refer to the target controller user manual for more information)	• "OK" LED flashes once then turns off • Replication completed

Note 1: If this replication is unsuccessful, the "OK" light turns off and the error light will flash 6 times then turn off.

Replicating All Network and Device Information from a Primary Controller to Your Z-URC™ 550EU ("Learning Mode")

Your Z-URC™ 550EU can:

- Copy the settings from another Z-Wave controller
- Be included into existing Z-Wave network and become a new primary or secondary remote
- Be excluded from the Z-Wave network

This is done by following the steps below.

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Place the two controller close to each other	
3	Type "8363" on the setup number keypad ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once for each number input
4	Please make sure the primary controller is setup to send information. (Refer to the primary controller user manual for more information)	• "OK" LED blinking then turns off • Replication completed

Note 1: If the replication is unsuccessful, the "OK" light turns off and the error light will flash 6 times then turn off.

⓵ CAUTION

Scene Controller Configuration Command and Association Command

If scenes are copied to a secondary controller using the replication function, those scenes cannot be modified using the Scene Controller Configuration and Association Commands. If modifications are desired, it is recommended to delete all these scenes from the controller prior to using the two aforementioned commands.

Listening Mode

There are multiple usages by entering this mode:

- Version command class: To get application software version, the Z-Wave protocol version and the supported Z-Wave command version of this controller.
- Manufacturer command class: To get the manufacture ID, product type ID and the product ID of this controller.
- Scene configuration command class: Home gateway can bundle a scene ID to a group ID using this command.
- Association command class: To create and maintain associations in this remote.

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Place the two controller close to each other	
3	Type "8364" on the setup number keypad ①②③④ ⑤⑥⑦⑧	• "OK" LED flashes once for each number input • "OK" LED keeps blinking after entering the 4-digit
4	Listening mode will automatically exit after 1 minute of inactivity	• "OK" LED flashes once then turns off when exiting listening mode • Replication completed

Note 1: The mode must not be exited during communication process with another controller. Please wait for entire communication process to be completed.

Resetting Your Network

You can reset your Z-URC™ 550EU to clear all Z-Wave network and device information by the following steps:

Step	Setup Key	LED Indication Status
1	Press & hold Conf Remove for 3 seconds	• "OK" LED on
2	Type "8761" on the setup number keypad ① ② ③ ④ ⑤ ⑥ ⑦ ⑧	• "OK" LED flashes once for each number input • "OK" LED on after entering the 4-digit • "OK" LED blinking then turns off • Reset completed

Note 1: After reset the remote, each device should individually perform in the section on "Delete device from the network" and "Add device to the network".

ZXT-300EU Operations

Before using the ZXT-300EU, please read the [INSTALLATION] if it is needed to mount the ZXT-300EU to a wall. Power up the ZXT-300EU by the supplied AC/DC adaptor.

⚠ CAUTION

- Be sure to always use the supplied AC/DC adaptor.
- Do not try to power up other device with the supplied AC/DC adaptor. This could damage the AC/DC adaptor or the connected device.

Configurations

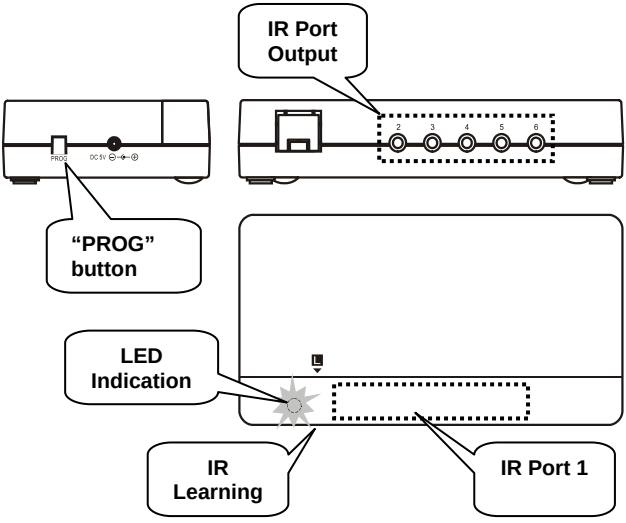


Figure 5 PROG Key and IR Ports of ZXT-300EU

ZXT-300EU Information

Change Z-Wave-to-IR Channel (EP) on ZXT-300EU

Step	Setup Key	LED Indication Status on ZXT-300EU
1	Press and hold PROG button on the ZXT-300EU for 3seconds to start switching the EP (1->2->3->4->5->6->1->2..)	• LED flashes once= EP1 • LED flashes twice= EP2 • LED flashes 3 times= EP3 • LED flashes 4 times= EP4 • LED flashes 5 times= EP5 • LED flashes 6 times= EP6

How to get the NIF "Node Information Frame" on ZXT-300EU

Step	Setup Key	LED Indication Status on ZXT-300EU
1	Make sure ZXT-300EU switched to Channel 1 (EP1)	• LED flashes once then keep on
2	Press the PROG button on the ZXT-300EU (EP1 will response "NIF" EP2, EP3, EP4, EP5, EP6 will response "Multi-channel capability report")	• LED flashes once then keep on (ZXT-300EU will report the supported command class)

ⓘ Information

- Please follow this Operating Instructions if you are using Z-URC™ 550EU to operate ZXT-300EU.
- If you are using Gateway or other z-wave controllers to operate ZXT-300EU, Please follow the instruction from the gateway or other controller.

Add/Delete Devices

Adding Device to the Network

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Make sure ZXT-300EU switched to Channel 1 (EP1)	-	• LED flashes once then keep on
2	Press Add in Advance Setup area	• Back "OK" LED and front "OK" LED turns on	-
3	Press Device	• "LED_B" flashes slowly	-
4	Press the PROG button on ZXT-300EU	• Back "OK" LED and front "OK" LED flashing then turns off • "LED_B" off • Device inclusion completed	• LED flashes twice then keep on • Device inclusion completed

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means the setup process is failed. Please redo the process again.

Note 2: If you can't add your ZXT-300EU to network, it might has been included in another Z-Wave network or the ZXT-300EU is not on Channel 1 (EP1). In this case, please delete it following the steps in the [Deleting Device from the Network] section then make sure ZXT-300EU is on the Channel 1 (EP1) and add it again.

Note 3: This step can be skipped if the device is already existed in the network.

Deleting Device from the Network

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Make sure ZXT-300EU switched to Channel 1 (EP1)	-	• LED flashes once then keep on
2	Press Delete in Advance Setup area	• Back "OK" LED and front "OK" LED turns on	-
3	Press Device	• "LED_B" flashes slowly	-
4	Press the PROG button on the target device	• Back "OK" LED and front "OK" LED flashing then turns off • "LED_B" off • Device exclusion completed	• LED flashes twice then keep on • Device exclusion completed

Note 1: All Simple AV channels will be deleted from the Z-URC™ 550EU and ZXT-300EU if this step is proceeded.

Add/Remove Device to/from a Simple AV channel

There are 6 Simple AV Channels in ZXT-300EU, user can assign them to any of the 8 device buttons on Z-URC™ 550EU: “TV”, “DVD”, “STB/CBL”, “AUX”, “Shift + TV”, “Shift + DVD”, “Shift + STB/CBL”, “Shift + AUX”.

ⓘ Important

– Simple AV Channel is a Z-Wave virtual channel and it is not related to IR Port output. User can use the IR Port Mapping function to map the IR port output to Simple AC Channel/AV device.

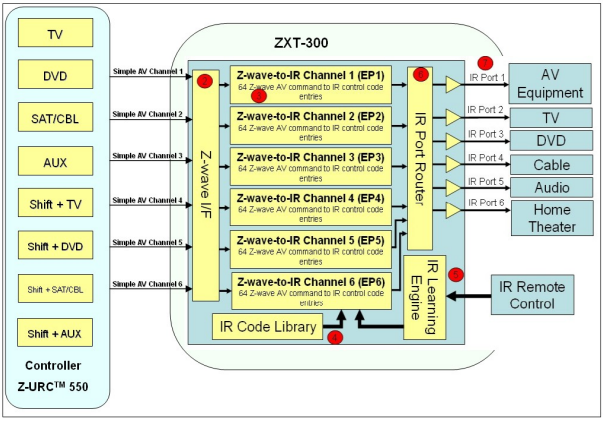


Figure 6 Z-Wave-to-IR Channel (EP) and IR Ports

Device	End-point no.	IR code no.	IR output port no.	IR output power
TV				
DVD				
SAT CBL				
AUX				
SHIFT + TV				
SHIFT + DVD				

Table 1 Configuration data in ZXT-300EU

Adding Device to a Simple AV channel

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your preferred EP no. such as EP1	-	• LED flashes once then keep on
2	Press Add in Advance Setup area	• Back "OK" LED and front "OK" LED turns on	-
3	Select a Simple AV Channel by press device key such as TV	• Back "OK" LED and front "OK" LED flashes once and stays on • "LED_B" flashes slowly	-
4	Press the PROG button on the ZXT-300EU (Now EP1 was ACK to TV device and occupy a Simple AV Channel)	• Back "OK" LED and front "OK" LED flashing then turns off • "LED_B" off • Setup completed	• LED flashes twice then keep on • Setup completed

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

Removing Device from a Simple AV channel

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your target EP no. such as EP1	-	• LED flashes once then keep on

2	Press Remove in Advance Setup area	• Back "OK" LED and front "OK" LED turns on	-
3	Select a Simple AV Channel by press device key such as TV	• Back "OK" LED and front "OK" LED flashes once and stays on • "LED_B" flashes slowly	-
4	Press the PROG button on the ZXT-300EU (Now EP1 was ACK to TV device and remove a Simple AV Channel)	• Back "OK" LED and front "OK" LED flashing then turns off • "LED_B" off • Setup completed	• LED flashes twice then keep on • Setup completed

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

IR Code Setup

Selecting an IR Device Code in ZXT-300EU

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your target EP no. such as EP1	-	• LED flashes once then keep on
2	Press and hold any device key for 3 seconds (e.g. TV, DVD, SAT/CBL or AUX)	• Front "OK" LED flashes once and stays on	-
3	Refer to IR code list of ZXT-300EU and enter the code number such as	• Front "OK" LED flashes once and stays	-

	TV. (enter "0", "0", "0", "1" at the front ⓪-⑨ if it's show 0001)	on for each key press	
4	Press the PROG button on ZXT-300EU (The code no. has been assigned to the EP1 as it is ACK by EP1)	• Front "OK" LED flashing then turns off • Entering device code successful	• LED flashes twice then keep on • Entering device code successful

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

IR Port Mapping

Mapping individual Channel to individual Port in ZXT-300EU by Z-URC™ 550EU

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your target EP no. such as EP1	-	• LED flashes once then keep on
2	Press Conf in Advance Setup	• Back "OK" LED and front "OK" LED turns on	-
3	Enter the function code "2", "9" in the front ⓪-⑨	• Front "OK" LED flashes once and stays on for each key press	-
4	Press ENTER	• Front "OK" LED flashes once and stays on	-
5	Enter the IR port number (1 to 6) in the front ⓪-⑨	• Front "OK" LED flashes once and stays	-

	which you want to transmit the IR signal	on for each key press	
6	Press ENTER	• Front "OK" LED flashes once and stays on	-
7	Press the PROG button on ZXT-300EU (The IR port number has been assigned to the EP1 as it is ACK by EP1)	• Front "OK" LED flashing then turns off • Set IR Port output successful	• LED flashes 2 times then keep on • Set IR Port output successful

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

Note 2: All the Simple AV Channel / Z-Wave-to-IR Channel will map to "IR Port 1" in default if user has not go through the above setup procedure or Z-Wave remote controller does not support "Multi-channel Command Class".

IR Output Power

Set IR Output Power Level for each IR port (except IR Port 1)

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your target EP no. such as EP1	-	• LED flashes once then keep on
2	Press Conf in Advance Setup	• Back "OK" LED and front "OK" LED turns on	-
3	Enter the function code "2", "8" in the front ⓪-⑨	• Front "OK" LED flashes once and stays on for each key press	-

4	Press ENTER	• Front "OK" LED flashes once and stays on	-
5	Set IR output power level by entering "0" or "1" in the front "0" low power mode "1" high power mode (default is in high power mode)	• Front "OK" LED flashes once and stays on for each key press	-
6	Press ENTER	• Front "OK" LED flashes once and stays on	-
7	Press the PROG button on ZXT-300EU (The IR output power has been assigned to the EP1 as it is ACK by EP1)	• Front "OK" LED flashing then turns off • Set IR Power level successful	• LED flashes twice then keep on • Set IR Power level successful

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

Note 2: IR port 1 is a fixed IR output power which is un-configurable and operating in wide angle and long distance coverage.

IR Port Number	IR Output Power Mode	Default value
1	Un-configurable	-
2	Configure as Low or High	High
3	Configure as Low or High	High
4	Configure as Low or High	High
5	Configure as Low or High	High
6	Configure as Low or High	High

Table 2 IR Port Output Power

AV Command Operation (Z-Wave Simple AV command class)

After added ZXT-300EU to Z-URC™ 550EU network, add device to Simple AV channel and Selecting an IR Device Code in ZXT-300EU. You can use the function key on Z-URC™ 550EU to control each device that you have been set.

- Press a desired device key (e.g. TV).
- Press a desired key which you want to transmit the command.
- Z-URC™ 550EU: Front "OK" LED turns on then off when the key is released.
- ZXT-300EU: LED flashes if Z-wave Simple A/V command is received and transmits the IR command to your appliances through each IR port emitter.

IR Code Learning

Learning IR Code on ZXT-300EU
(Learn an IR control code from the original remote control to ZXT-300EU)

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your target EP no. such as EP1. (The EP is related to your AV device name)	-	• LED flashes once then keep on
2	Press Conf in Advance Setup	• Back "OK" LED and front "OK" LED turns on	-
3	Enter the function code "2", "5" in the front ⓪-⑨	• Front "OK" LED flashes once and stays on for each key press	-
4	Press ENTER	• Front "OK" LED flashes once and stays on	-
5	Press a desired key on Z-URC™ 550EU	• Front "OK" LED flashes	-

	once which you want to learn the command	once and stays on	
6	Press the PROG button on ZXT-300EU (make sure the EP is related to the AV device name on Z-URC™ 550EU)	-	• LED flashes once then keep on
7	Place the ZXT-300EU and your original remote on a flat surface, aimed at each other 1-3 inches apart	-	-
8	Press and keep holding the key on your original equipment remote which you want to learn for a few seconds	• Front "OK" LED flashing then turns on • Learn a code successful	• LED flashes twice then keep on • Learn a code successful
9	Repeat step 5 to 8 to learn other keys.	-	-
10	Press any device key to exit the learn mode (e.g. TV, DVD, SAT/CBL or AUX)	• All LEDs off	-

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

Note 2: On step 8, if no IR signal received for more than 15 seconds, the Error LED in front will flashes six times then all LED turn off, Learning on ZXT-300EU mode will exit automatically.

IR Code Learning on Z-URC™ 550EU
(Learn an IR control code from the original remote control to Z-URC™ 550EU then download to ZXT-300EU)

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Switch ZXT-300EU to your target EP no. such as EP1. (The EP is related to your AV device name)	-	• LED flashes once then keep on
2	Press Conf in Advance Setup	• Back "OK" LED and front "OK" LED turns on	-
3	Press any device key (e.g. TV, DVD, SAT/CBL or AUX)	• Front "OK" LED flashes once and stays on	-
4	Enter the function code "0", "0" "0", "0" in the front 0-9	• Front "OK" LED flashes once and stays on for each key press	-
5	Press ENTER	• Front "OK" LED flashes once and stays on	-
6	Press a desired key on Z-URC™ 550EU once which you want to learn the command	• Front "OK" LED flashes once and stays on	-
7	Press the PROG button on ZXT-300EU (make sure the EP is related to the AV device name on Z-URC™ 550EU)	-	• LED flashes once then keep on
8	Place the Z-URC™ 550EU and your original remote on	-	-

	a flat surface, aimed at each other 1-3 inches apart		
9	Press and keep holding the key on your original equipment remote which you want to learn for a few seconds	• Front "OK" LED flashes 2 times then keep on • Learn a code successful	• LED flashes twice then keep on • Learn a code successful
10	Repeat step 6 to 9 for next key learning	-	-
11	Press any device key to exit the learn mode (e.g. TV, DVD, SAT/CBL or AUX)	• All LEDs off	-

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

Note 2: On step 9, if no IR signal received for more than 15 seconds, the Error LED in front will flashes six times then all LED turn off, Learning on ZXT-300EU mode will exit automatically.

Note 3: Z-URC™ 550EU and Z-URC™ 300EU should be placed together within few meters under learning mode.

Download the preset / learned IR code
(Download a device code from Z-URC™ 550EU to ZXT-300EU)

Step	Setup Key	LED Indication Status on Z-URC™ 550EU	LED Indication Status on ZXT-300EU
1	Complete the step of "Add Device to Simple AV channel"	-	-
2	Switch ZXT-300EU to your target EP no. such as EP1. (The EP is related	-	• LED flashes once then keep on

	to your AV device name)		
3	Press Conf in Advance Setup	• Back "OK" LED and front "OK" LED turns on	-
4	Press any device key (e.g. TV, DVD, SAT/CBL or AUX)	• Front "OK" LED flashes once and stays on	-
5	Enter the function code "5", "0" "0" , "0" in the front 0-9	• Front "OK" LED flashes once and stays on for each key press	-
6	Press ENTER	• Front "OK" LED flashes once and stays on	-
7	Press the PROG button on ZXT-300EU (The EP is related to your AV device name)	• Front "OK" LED flashing then turns off • Download a device code successful (It will take around 40 seconds to complete the download)	• LED flashes twice then keep on • Download a device code successful

Note 1: Error LED in front or back on Z-URC™ 550EU or ZXT-300EU Red LED flashes 6 times means that the setup process is failed. Please redo the process again.

Note 2: Z-URC™ 550EU and Z-URC™ 300EU should be placed together within few meters under download mode.

Reset ZXT-300EU to factory default

Press and hold "PROG" button for 10seconds on ZXT-300EU, LED will flash until reset process is completed.

INSTALLATION

MOUNTING THE ZXT-300EU TO A WALL

MOUNTING LOCATION PRECAUTIONS

- Before mounting, check the material and structure of the mounting location. If the location does not have the proper material or structure, the ZXT-300EU can fall and cause an injury.
- Use commercial items that best match the wall structure and material for the screws and other fixtures.
- Do not mount near a kitchen counter, humidifier, or other location in which it can be exposed to smoke or steam. Doing so could cause a fire or electrical shock.
- Do not mount in locations with high humidity or large amounts of dust. Doing so could cause a fire or electrical shock.
- Do not mount to locations subject to high temperatures, high humidity, or exposed to water. Doing so could cause a fire or electrical shock.
- Do not mount to locations subject to large amounts of vibration, large jolts, or large forces. These could cause an injury if the ZXT-300EU falls and breaks.

MOUNTING PROCEDURE PRECAUTIONS

- Do not modify parts or use the ZXT-300EU in ways other than its intended use. Doing so could cause the ZXT-300EU to fall and result in an injury.
- Be sure to fully check that there are no electrical wires or pipes inside the wall before mounting.
- If any of the screws are loose, the ZXT-300EU can fall and cause an injury. Do not mount the ZXT-300EU with the screws still loose.
- Check that the two screws mounted to the wall are fully inserted into the key holes of the ZXT-300EU. Otherwise, the ZXT-300EU can fall and cause an injury.
- Do not mount the ZXT-300EU so that it sticks out from the wall edge. It could get hit by people's bodies or objects and cause an injury.
- Supplier will not be liable for any accidents or injuries that occur due to improper mounting or handling.
- When mounting, be careful not to get your fingers pinched or injure your hands.

MOUNTING PROCEDURE

The ZXT-300EU can be mounted to a wall or wooden racks using the two key holes in the bottom case. The ZXT-300EU can be oriented horizontally or vertically. Mount in the best way for your installation conditions.

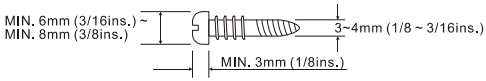
Note 1: The reception sensitivity varies depending on the antenna direction. Find the direction providing the best reception by

adjusting the antenna direction before mounting the ZXT-300EU.

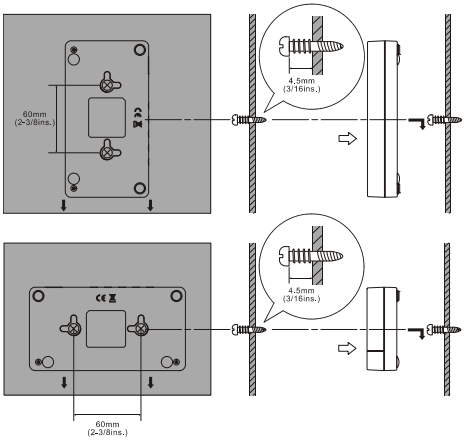
Note 2: No screws are provided for mounting to a wall.

Note 3: Before mounting to a wall, be sure to fully read the precautions.

1. Obtain two screws suitable for the wall strength and material. The screw size is shown in the figure below.



2. The positional relationship between the ZXT-300EU key holes and the screw mounting positions are shown in the figure below.
   Note 1: When mounting the screws to the wall, leave a space between the wall and screw cap as shown in the figure.



3. Insert the ZXT-300EU key holes onto the two screws mounted to the wall, and then slide downward to secure in place.

4. After securing the ZXT-300EU to the wall, connect the AC/DC adaptor and cables to the ZXT-300EU.
   Note 1: Check that the ZXT-300EU is firmly secured to the wall.
   Note 2: Insert the AC/DC adaptor and IR emitter cable so that they are firmly connected to the ZXT-300EU.

5. When removing the ZXT-300EU from the wall, lift up the ZXT-300EU, then pull it towards you.

WIRELESS INFORMATION

Wireless range:

This device has an open air line of sight transmission distance of 100 feet which complies with the Z-Wave standards. Performance can vary depending on the amount of objects in between Z-Wave devices such as walls and furniture. Every Z-Wave device set up in your house will act as a signal repeater allowing devices to talk to each other and find alternate routes in the case of a reception dead spot.

Radio frequency limitations:

1. Each wall or object (i.e.: refrigerator, bookshelf, large TV, etc) can reduce the maximum range of 65 feet by up to 25 to 30%.
2. Plasterboard and wooden walls block less of the radio signal then concrete, brick or tile walls which will have more of an effect on signal strength.
3. Wall mounted Z-Wave devices will also suffer a loss of range as they are housed in metal junction boxes which could reduce the range by up to 25 to 30%.

AUDIO/VIDEO SETUP AND OPERATION

In addition to Z-Wave device and scene control, your Z-URC™ 550EU is also a universal remote which enables you to control all your audio/video systems around your house.

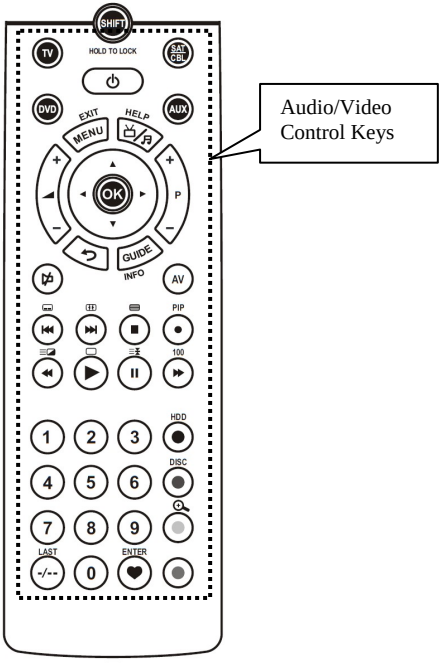


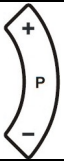
Figure 7 Audio/Video Control Keys of the Z-URC™ 550EU

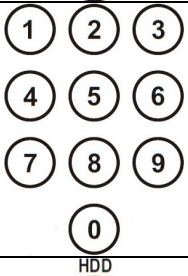
Note: The audio/video control of the Z-URC™ 550EU can be done via infrared or Z-Wave.

Description of Audio/Video Control Keys

The Z-URC™ 550EU operates up to 8 AV equipments which are accessed by using the SHIFT key and TV or DVD and so on.

Note: The SHIFT key is used when operating both the AV and Z-Wave equipments

	Press once to access secondary function for the next button. Press and hold to activate shift lock for permanent use of secondary functions. Press shift again to release shift lock
	Selects TV mode
	Selects satellite, cable receiver or similar devices such as DVB-T, IPTV, etc
	On/off key for selected AV equipment
	Selects DVD player or other optical disc players such as Blue Ray, PVR, or CD player
	Selects Auxiliary mode normally assigned to audio equipment
	Menu, also EXIT when in shift mode
	Toggles between TV and radio also HELP when in shift mode
	Changes the volume level of the device
	4-way directional pad for navigating on-screen menu and “OK” button for selecting menu options
	Changes the channel up and down

	Return, Cancel or Exit
	Selects the Electronic Program Guide while in SAT/CBL mode also INFO when in shift mode
	Mute the audio
	Scrolls through AV modes while in TV mode
	Skip Backwards also Subtitle when in shift mode
	Skip Forwards also Aspect Ratio Control when in shift mode
	Stop also Teletext On when in shift mode
	Record also Picture-in-Picture toggle when in shift mode
	Rewind also Teletext Mix when in shift mode
	Play also Teletext Off when in shift mode
	Pause also Teletext Hold / STOP when in shift mode
	Fast forward also Teletext 100 when in shift mode
	Numeric numbers 0 to 9
	Red button when in SAT/CBL and TV modes also hard drive menu for DVD-R when in shift mode

	Green button when in SAT/CBL and TV modes also disc menu for DVD when in shift mode
	Yellow button when in SAT/CBL and TV modes also zoom when in shift mode
	Blue Button when in SAT/CBL and TV modes
	-/-- also LAST in shift mode to return to the previous channel
	Favorites channel also ENTER when in shift mode

AV Equipment Selection by Entering Device Code

You may setup the Z-URC™ 550EU by following the code entering instructions:

1. Referring to the DEVICE CODE LIST, look up the 4-digit Device Code which corresponds to the brand of your A/V equipment. If there is more than one Device Code listed under your brand, start from the first code.
2. Press the desired Device Mode Key (e.g. TV).
3. Press and hold "CH +" and "VOL -" on the Z-URC™ 550EU simultaneously for 3 seconds until the green indicator lights up.
4. Use the number keys "0" - "9" to enter your 4-digit Device Code. The indicator flashes twice then goes out.

Turn on your device (e.g. TV), then try the function keys on the Z-URC™ 550EU. If your device (e.g. TV) responds to your activated function correctly, you have entered the right Device Code. Otherwise, repeat the above steps with the next available Device Codes until your device (e.g. TV) responds to your activated function, and most keys work correctly.

- Simply repeat the above procedures to enter the Device Codes for your SAT/CBL, DVD or AUX. (Remember to press the correct Device Mode Key in step 2 above)

Note: If the red indicator flashes 6 times in step 4, a wrong Device Code has been entered. You are required to repeat step 2 to 4 again.

Suggestions:

- If you cannot find a correct Device Code for your equipment, refer to *AV Equipment Selection by Searching through the Library.*
- For future reference you are recommended to take note of your Devices codes in the space provided in the manual after setting up the Z-URC™ 550EU correctly.

AV Equipment Selection by Searching through the Library

If you cannot identify a correct Device Code for your equipment from the Device Code list, you may search for the code in the library:

1. Turn on your device manually (e.g. TV).
2. Press a desired Device Mode Key (e.g. TV).
3. Press and hold "CH +" and "VOL -" on the Z-URC™ 550EU simultaneously for 3 seconds until the indicator lights up.
4. Enter a corresponding Magic Search Code from the following table. The green indicator flashes twice then goes out.

Device to be searched from code library	Magic Search Code
TV	0001
VCR	0002
SAT / DVB-T	0003
CTV	0004
DVD / TER	0005

(e.g. press "TV" device mode key, then press "CH +" and "VOL -", and enter TV Magic Search Code 0001.)

5. Press the same desired device mode key again as in step 2 above. (e.g. TV)
6. Press and hold "CH +" & "VOL -" simultaneously for 3 seconds until the green indicator lights up, and your Z-URC™ 550EU is ready to start searching.
7. Aim the Z-URC™ 550EU at your device (e.g. TV), press the ⏻ key slowly and repeatedly until the device has been turned off. Once your device has been turned off, immediately press Device Mode Key (e.g. TV) to lock in code and the indicator should go out.

* Simply repeat the above setup procedures to search for the Device Code for SAT/CBL, DVD or AUX. (Remember to press the correct Device Mode Key and correct Magic Search Code in step 2-5 above)

IMPORTANT

– If the power on/off function of your device is not infra-red controlled, you need to follow steps 2 to 6 above and start searching.

– Press ⏻ and another function key alternately until your device responds to the expected function, then press the same Device Mode Key (e.g. TV) to lock in the code.

e.g. Press ⏻ & 1 alternately, or ;

– Press ⏻ & ▶ alternately.

Notes:

– *TV, SAT/CBL, DVD, and other device codes can be searched for and locked into any device modes. Simply press the corresponding device mode key in step 2 & 5 and enter an appropriate Magic Search Code for your DVD and other devices.*

– *Each time you press the ⏻, the Z-URC™ 550EU will skip to the next code and send out a POWER signal trying to turn off your device.*

– *If you fail to stop pressing ⏻ when your device has been turned off, turn your device on again immediately. Before the green indicator goes out, press "Mute" on the Z-URC™ 550EU to skip backward. Repeat step 7 above and lock in the code.*

– *If the red indicator flashes six times after your pressing of ⏻ key, you are already at the last code of the library. Press "CH +" and "VOL -" to resume the Z-URC™ 550EU and repeat the above procedures carefully to search again.*

Learning IR Commands

Your Z-URC™ 550EU is equipped with learning capability. This allows you to "teach" your Z-URC™ 550EU certain functions from your original equipment remote. Please follow the steps below.

1 Press the desired device mode key (e.g. TV).
2 Press and hold "CH+" and "VOL-" on the Z-URC™ 550EU simultaneously for 3 seconds until the green indicator lights up.
3 Enter the learning code "0", "0", "0", "0". The green indicator light will flash once then stay lit. The Z-URC™ 550EU is now ready to learn.
4 Place the Z-URC™ 550EU and your device remote on a flat surface, aimed at each other 1-3 inches apart.

5 Press a desired key once and release on the Z-URC™ 550EU which you want to learn the command. The green indicator will flash once then stay lit.
6 Press and keep holding the key on your original equipment remote which you want to learn for a few seconds.
7 When the green indicator light flashes twice and stays lit continuously, the command has been learned successfully and you can release the key on your original equipment remote. If the red indicator light flashes six times, it shows an error in the learning process. Adjust the position of both remotes and repeat from step 5 again.
8 Repeat from step 5 to learn other key functions, or press the same device mode key on step 1 (e.g. TV) to terminate the learning mode, the green indicator light will flash twice and then go out immediately.

Notes:

- *On step 5 if no key is selected for more that 8 seconds, the red indicator light will flash six times and the learning mode will exit automatically.*
- *On step 6, if no other remote signal is received for more than 8 seconds, the red indicator light flashes six times and stays lit continuously, you need to select a desired key again for learning as in step 5 on your Z-URC™ 550EU.*
- *Each function key will hold one command only, a new command to be learned will automatically erase and replace the previous one.*
- *If the green indicator light flashes six times during the transference of signals, the maximum of 100 commands memory bank is full, press the same device key again to resume normal operation.*
- *All device mode keys, as well as the SHIFT keys cannot be used for learning functions.*

Operating the Z-URC™ 550EU for AV Equipment

Normal Operation

Once you have setup the Z-URC™ 550EU for your AV equipment, it works like your original remote control. To operate, just aim it at your equipment, press an appropriate device mode key and invoke the desired function by pressing a corresponding key on the Z-URC™ 550EU. The green indicator turns on during signal transmission and as Confirmation of key touch.

Punch Through

Punch Through Channel

Punch through channel allows you to operate channel up and down without having to switch the device modes repeatedly even when your Z-URC™ 550EU is in other operating modes.

To activate the punch through channel setting:

1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "CH+" key.
3. While still holding the "CH+" key press desired Device Mode Key (e.g. SAT).
4. Release "CH+" and the green indicator flashes once, now by pressing the "CH+" key while in TV mode the remote will act as if pressing the "CH+" key in SAT mode

To deactivate the punch through channel setting:

1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "CH -" key.
3. While still holding the "CH-" key press desired Device Mode Key (e.g. SAT).
4. Release "CH -" (the green indicator flashes twice if the setting is deactivated).

Punch Through Volume

Punch through volume allows you to operate volume up and down without having to switch the device modes repeatedly even when your Z-URC™ 550EU is in other operating modes.

To activate the punch through volume setting:

1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "VOL+" key.
3. While still holding the "VOL+" key press desired Device Mode Key (e.g. SAT).
4. Release "VOL+" and the green indicator flashes once, now by pressing the "VOL+" key while in TV mode the remote will act as if pressing the "VOL+" key in SAT mode

To deactivate the punch through volume setting:

1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "VOL -" key.
3. While still holding the "VOL-" key press desired Device Mode Key (e.g. SAT).
4. Release "VOL -" (the green indicator flashes twice if the setting is deactivated).

Macro Power
Macro Power allows you to turn two of your A/V equipment on/off simultaneously.

To activate the macro power setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold ⏻ key.
3. Press desired Device Mode Key (e.g. SAT).
4. Release ⏻ (the green indicator flashes once if the setting is activated).

To deactivate the macro power setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold ⏻ key.
3. Press desired Device Mode Key (e.g. SAT).
4. Release ⏻ (the green indicator flashes twice if the setting is deactivated).

ADVANCED OPERATION FOR AV EQUIPMENT

Secondary Function

1 Some keys are able to access 2 functions through the use of the shift key.
2 To use a buttons secondary function, press the shift key then the next button pressed will perform its secondary function after which the buttons will return to their primary functions.
3 You can access the shift lock mode by pressing and holding the shift key for 3 seconds after which all buttons pressed will use their secondary function. Pressing the shift key again will end the shift lock mode.

IR Boost Mode

By activating the boost switch in the battery compartment your Z-URC™ 550EU will send out 3 IR beams instead of 1 IR beam. Effectively tripling the power of your IR signal

Note: The range of your IR beam along with the angles will be increased but will also consume more power from the batteries.

Restore Factory Settings

1 Press and hold "CH+" and "VOL-" keys on the remote simultaneously for 3 seconds until you the indicator lights up and stays lit.
2 Enter the reset code "9", "9", "9", "9". The indicator light goes out immediately. All settings are now restored to the factory default setting.

MAINTENANCE

1 Do not expose your Z-URC™ to dust, strong sunlight, humidity, high temperatures or mechanical shocks.
2 Do not use old and new batteries together as old batteries tend to leak.
3 Do not use corrosive or abrasive cleansers on your Z-URC™.
4 Keep the unit dust free by wiping it with a soft, dry cloth.
5 Do not disassemble your Z-URC™, it contains no user-serviceable parts.

FREQUENTLY ASKED QUESTIONS

Z-Wave Frequently Asked Questions

Q Why won't my Z-URC™ work with the Z-Wave devices I purchased from another country?

A Due to different countries regulations Z-Wave products from different regions are set to different frequencies. Before purchasing new devices make sure you have checked to see that the device is compatible in your region.

Q Do I need an electrician to install Z-Wave products in my house?

A Installation can be simple. In some cases all you need to do is attach the Z-Wave plug in module into the wall socket. For more advanced in-wall modules you may need this done by a qualified technician.

Q What kinds of devices can I control with Z-Wave technology?

A While the Z-Wave device range is ever growing you can currently control your lighting, window shades and electric appliance which requires on/off switch with the Z-URC™. In addition advanced models will be able to control additional devices such as thermostats.

Q What can the Remotec Z-URC™ do for me?

A The Z-URC™ can control a combination of up to 232 different Z-Wave devices in 16groups or 16 scenes around your house while

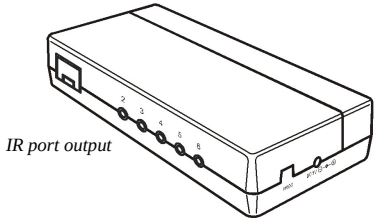
also being a standard universal remote that can control up to 8 AV equipments. Your Z-URC™ truly turns your living room into your whole houses control station.

Q What is multi-channel device?

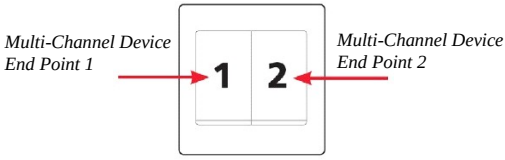
A The multi-channel command class used to control one or more end points in a given device that supports this command class.

There are several kinds of multi-channel products in the market such as Z-Wave Extender™, Z-Wave wall switch / dimmer and power strip. It is able to control the end-point individually.

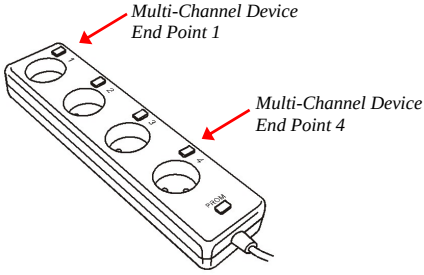
- Z-Wave Extender™



- Z-Wave wall switch / dimmer



- Z-Wave power strip



Please refer to the target device user manual for more information such as Inclusion / Exclusion and add End Point to a Scene / Group.

Q Why do I need a different module for outdoor lighting?

A The outdoor module is designed to withstand various weather conditions including heat, rain and snow.

Q Can I use 2 or more Z-URC™ controllers in my house at one time?

A You can use multiple Z-URC™ around your house by assigning one remote to be the primary remote and have an additional secondary controller.

Q If I lost my Z-URC™ will I also lose my settings?

A Yes and no, if you lose your primary Z-URC™ you will need to add all the Z-Wave devices to your new primary remote again. If you lose the secondary one you can replicate all the Z-Wave setup information from your primary remote onto a new secondary remote. However, audio visual settings will be lost and can not be replicated such as TV and DVD settings.

Q Where can I keep up to date with the latest Z-Wave products for my house?

A You can keep up to date by visiting the www.remotec.com.hk website where we will have information and ideas for using Z-Wave technology.

Q How do I know which product is compatible to my Remotec Z-URC™ remote?

A You can check either the specifications in the manual of your remote or also check online at www.remotec.com.hk for a full list of products that can be used with your remote. All Z-Wave products also come with the Z-Wave logo.

Q Can the Z-URC™ also operate Zigbee products?

A The Z-URC™ is currently not compatible with any Zigbee product.

AV Control Frequently Asked Questions

Q My Z-URC™ does not work at all!

A Check your A/V device, if the device's main switch is turned off, your Z-URC™ cannot operate your device.

A Check whether your batteries are inserted properly and are in the correct +/- position.

A Check whether you have pressed the corresponding device mode key for your device.

A If the batteries are low, replace the batteries.

Q If several Device Codes are listed under the brand of my A/V device, how can I select the correct Device Code?

A To seek the correct Device Code for your A/V device, test the codes one by one until most keys work properly.

Q My A/V equipment responds only to some of the commands.

A You have set a code for which only some commands work properly but some do not. Try other codes until most keys work properly. You can also use the learning function to learn additional keys.

TECHNICAL SPECIFICATIONS

Model No.	BW8332 V1 (Z-URC™ 550EU)
RF Frequency	868.42MHz (EU)
IR Frequency	Up to 455kHz
IR Learning	Max 100 commands
Max. Range	up to 100ft outdoor line of sight, in unobstructed environment
Power	AAA x 3pcs
Temperature	operation: 0~40℃ storage: -20~60℃
Humidity	10~85%, non-condensing
Dimension (LxWxH)	240mm x 60mm x 29mm
Weight (ex. Batteries)	150g

Model No.	BW8370EU (ZXT-300EU)
RF Frequency	868.42MHz (EU)
IR Frequency	Up to 455kHz
IR Learning	Max 100 commands
Max. Range	up to 100ft outdoor line of sight, in unobstructed environment
Power	DC 5V 100mA
Temperature	operation: 0~40℃ storage: -20~60℃
Humidity	10~85%, non-condensing
Dimension (LxWxT)	139 x 75 x 28.5 mm
Weight	90g

Z-URC™ 550EU

Z-Wave device type		
Basic Device Class: BASIC_TYPE_CONTROLLER		
Generic Device Class: GENERIC_TYPE_GENERIC_CONTROLLER		
Specific Device Class: SPECIFIC_TYPE_PORTABLE_SCENE_CONTROLLER		
Z-Wave Command Class	**Controlled**	**Supported**
COMMAND_CLASS_MULTI_CHANNEL_V2	YES	NO
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2	YES	YES
COMMAND_CLASS_SIMPLE_AV_CONTROL	YES	NO
COMMAND_CLASS_SWITCH_ALL	YES	NO
COMMAND_CLASS_SWITCH_MULTILEVEL	YES	NO
COMMAND_CLASS_SCENE_CONTROLLER_CONF	NO	YES
COMMAND_CLASS_SCENE_ACTIVATION	YES	NO
COMMAND_CLASS_ASSOCIATION_V2	YES	YES
COMMAND_CLASS_CONFIGURATION_V2	YES	NO
COMMAND_CLASS_BASIC	YES	YES
COMMAND_CLASS_VERSION	NO	YES
COMMAND_CLASS_MANUFACTURER_SPECIFIC	NO	YES

ZXT-300EU

Z-Wave device type		
Basic Device Class: BASIC_TYPE_SLAVE		
Generic Device Class: GENERIC_TYPE_AV_CONTROL_POINT		
Specific Device Class: SPECIFIC_TYPE_NOT_USED		
Z-Wave Command Class	**Controlled**	**Supported**
COMMAND_CLASS_CONFIGURATION	NO	YES
COMMAND_CLASS_CONFIGURATION_V2	NO	YES
COMMAND_CLASS_VERSION	NO	YES
COMMAND_CLASS_MANUFACTURER_SPECIFIC	NO	YES
COMMAND_CLASS_SIMPLE_AV_CONTROL	NO	YES
COMMAND_CLASS_BASIC	NO	YES

COMMAND_CLASS_POWERLEVEL	NO	YES
COMMAND_CLASS_MULTI_CHANNEL_V2	NO	YES

You can record down your device code under the below table for future reference after setting up the Z-URC™ 550EU correctly.

AV devices programmed to your Z-URC™ 550EU			
TV	DVD	SAT/CBL	AUX
SHIFT + TV	SHIFT + DVD	SHIFT + SAT/CBL	SHIFT + AUX

CHECKING THE ACCESSORIES

After opening the cover of the packing box, check that the following accessories are included.

- Z-URC™ 550EU: Z-Wave Enabled Universal Remote Control
- ZXT-300EU: Z-Wave-to-AV IR Extender
- Power adaptor: 100~240Vac input, 5Vdc 1000mA (for ZXT-300EU)
- IR Emitting Cable: 3.5mm Mono plug cable x 3pcs (for ZXT-300EU)
- User Manual (download from our website)
- Code List (download from our website)

WARNINGS

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- RISK OF FIRE
- RISK OF ELECTRICAL SHOCK
- RISK OF BURNS

Exercise extreme caution when using Z-Wave devices to control appliances. Operation of the Z-Wave device may be in a different room then the controlled appliances, also an unintentional activation may occur if the wrong button on the remote is pressed. Z-Wave devices may automatically be powered on due to timed event programming. Depending upon the appliance, these unattended or unintentional operations could possible result in a hazardous condition. For these reasons we recommend the following:

1. Assign Z-Wave controlled appliances to group number 9 to 16 on the Z- URC™ as the likelihood of unintentionally turning on of the appliance will be reduced significantly because the "SHIFT" button is also needed to activate groups 9 through 16.
2. Do not include Z-Wave devices controlling appliances in your group and scene settings.
3. Do not include Z-Wave devices to control electric heaters or other appliances which may present a hazardous condition due to an unattended or unintentional or automatic power on control.

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